

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**DEPARTMENT OF COMPUTER APPLICATIONS****Program: Bachelor of Computer Applications****Semester-I Mid Semester Examination (Practical) - Batch-A****Date:17-09-2019****Day: Tuesday****Duration: 03:15PM- 04:15PM****BCA1112C04 Introduction to Programming using Python Lab****Marks: 30****GUIDELINES:**

1. In the beginning of every program, write the problem statement, name of programmer, date of writing program, language and version in which the program has been written.
2. Attempt all.
3. Name your variables appropriately.
4. Add comments whenever necessary.
5. Prepare a MS Word document of the problem statement, your solution and at least two outputs.

SET C**[6 x 5 = 30]****Q1.** Write a program to calculate area of a right angle triangle.**Q2.** Write a program to evaluate an expression entered by user. Verify the result by manually solving it.**Q3.** Write a program to create a simple calculator to perform all arithmetic operations.**Q4.** Write a program to find factorial of a number entered by user.**Q5.** Write a program to convert a decimal number to its equivalent Hexadecimal, Octal and Binary and vice versa.**Q6.** Write a program to logarithm of a value entered by user.**End**